

Fig. 1

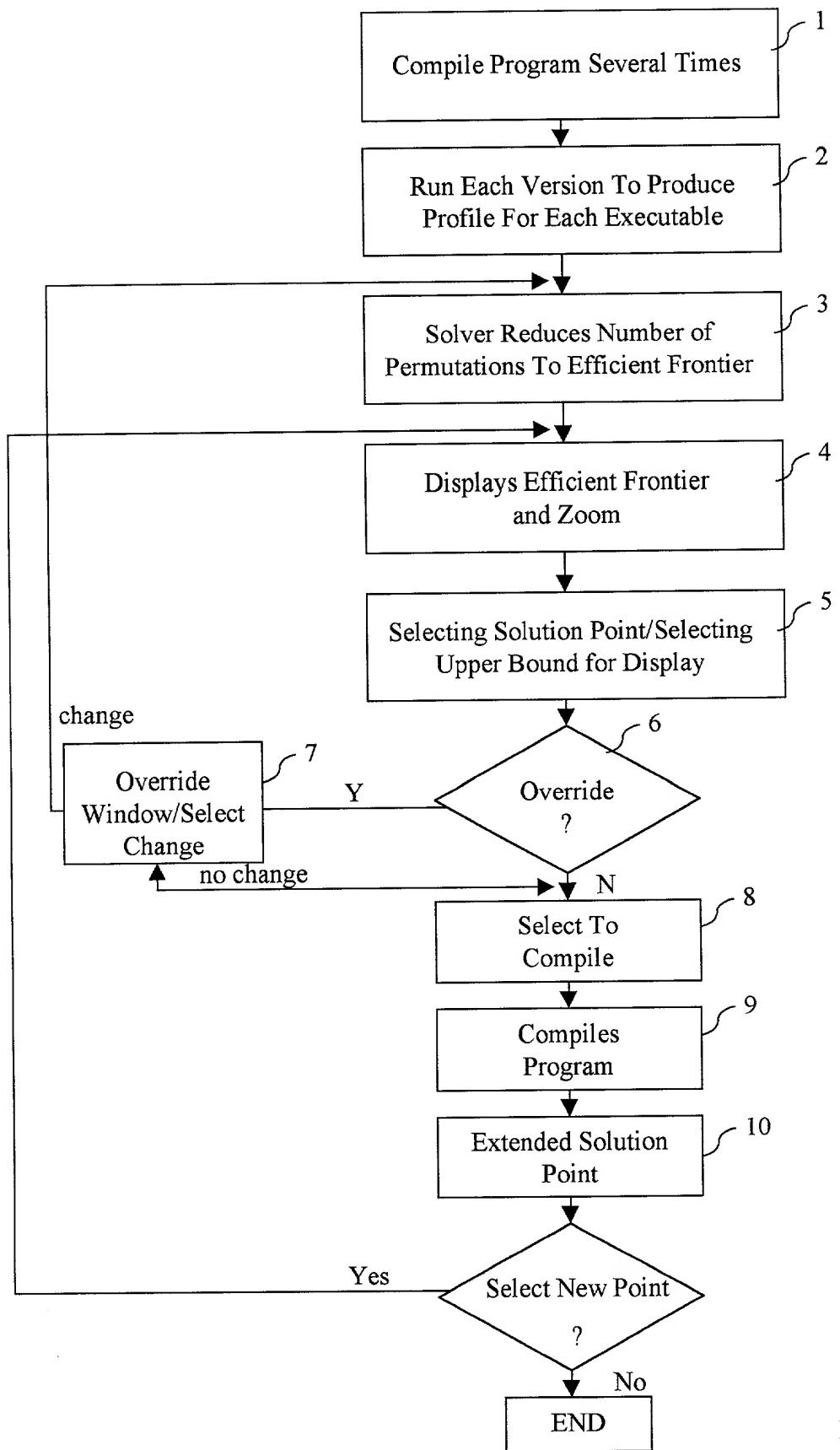


Fig. 2

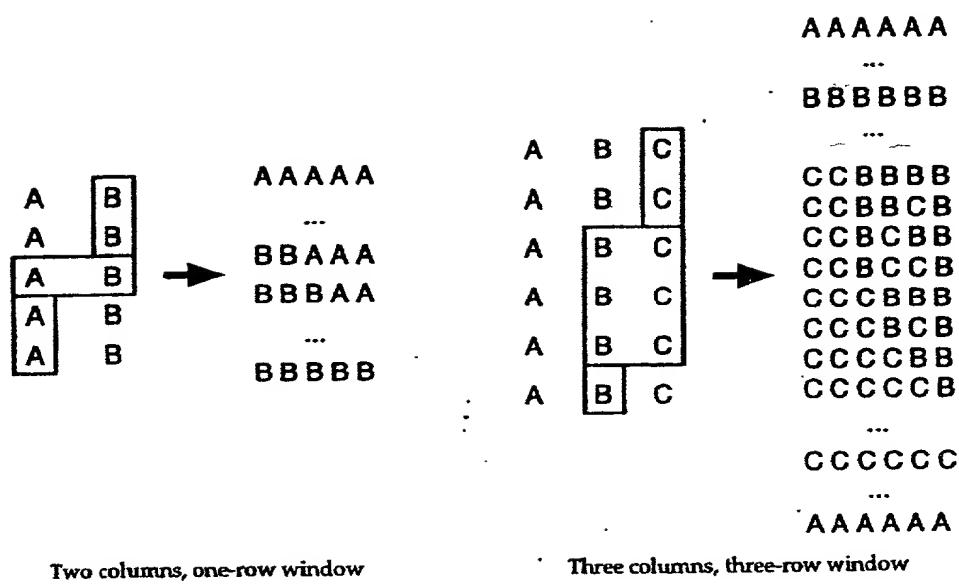


Figure 3: "Linear" Solution Generation

673075

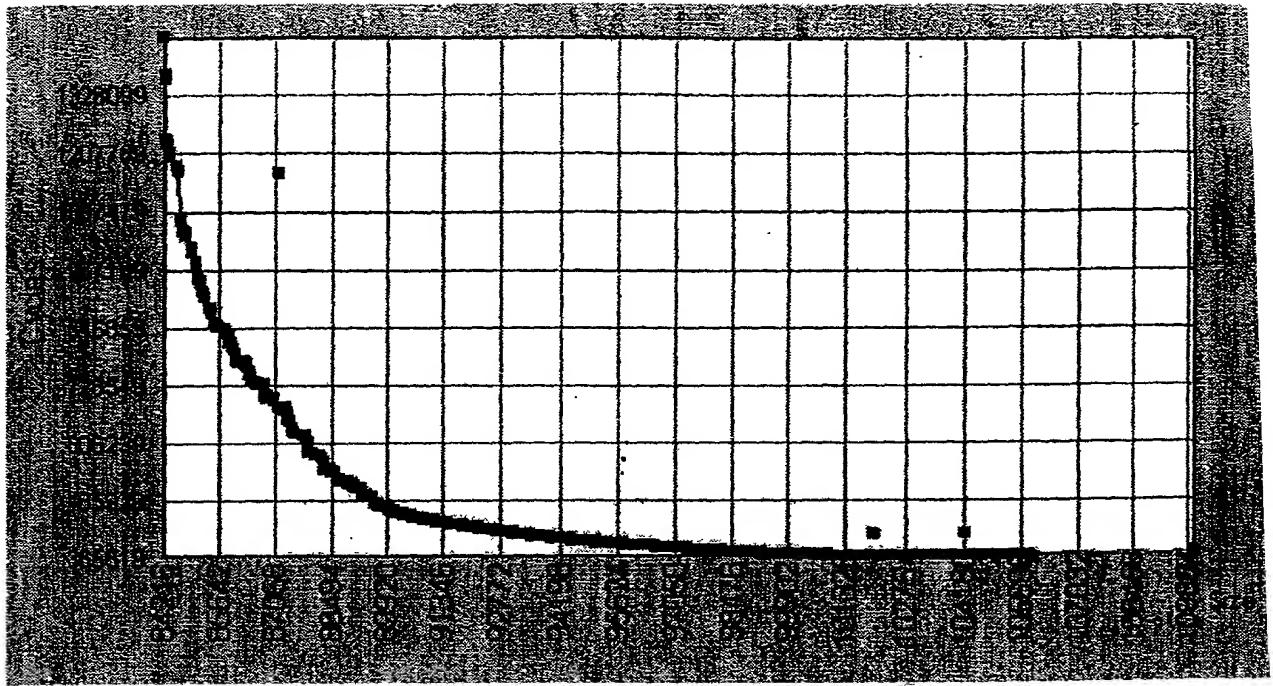


Figure 5

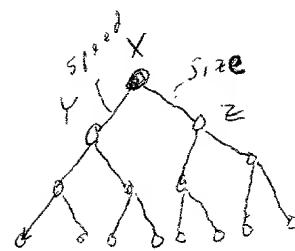


Fig 4

~~73000~~

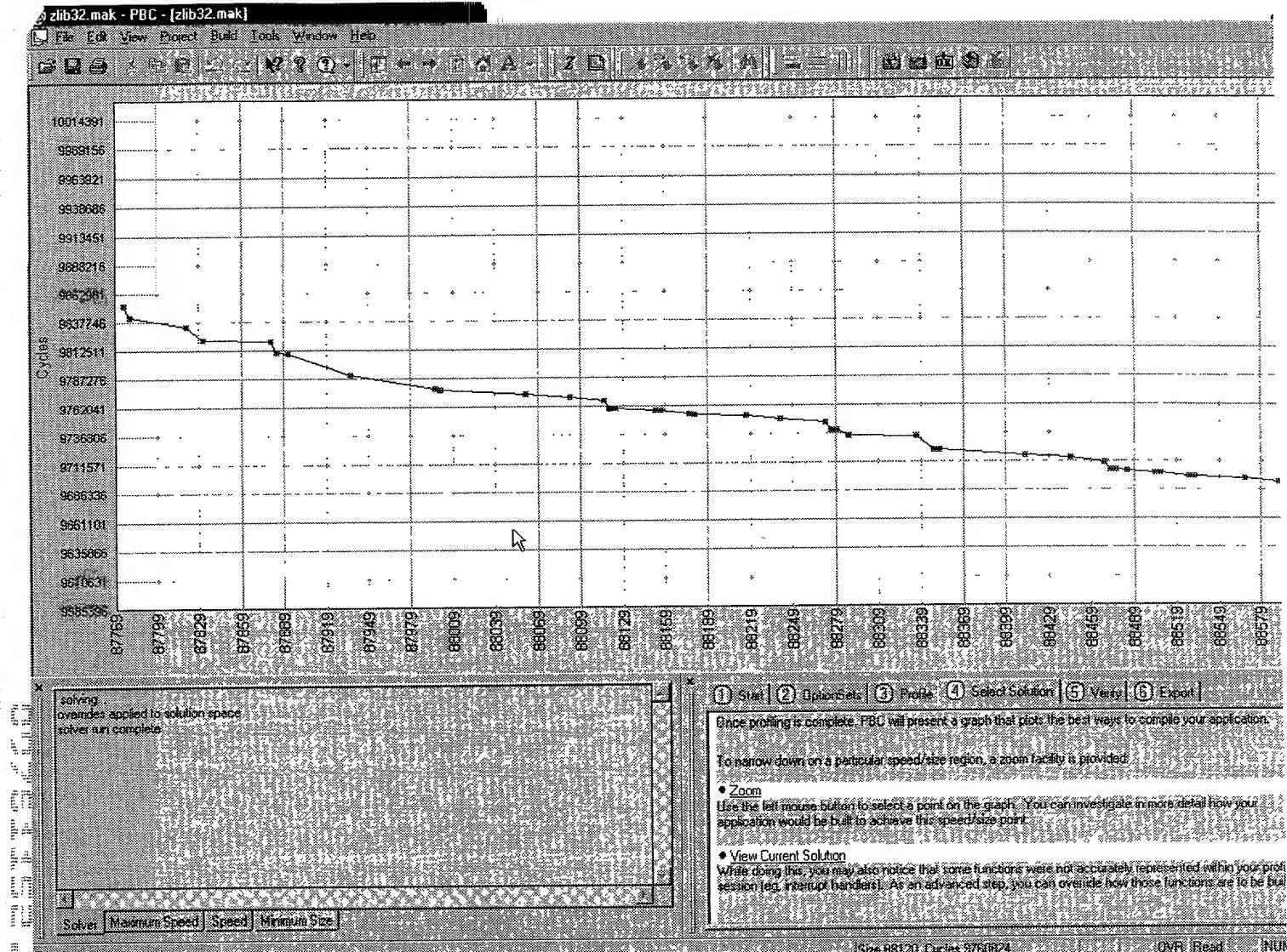


Fig. 6

Function	Cycles	Size	OptionSet	Options
decoder_homing_fra...	26	80	Size	-0.3 -0.0 ms2
rx_dix	99	900	Minimum Size	-0.3 -0.0 ms3
D_Psf_5	641	1716	Minimum Size	-0.3 -0.0 ms3
Q_Psf_5	744	1448	Minimum Size	-0.3 -0.0 ms3
decoder_reset	295	368	Minimum Size	-0.3 -0.0 ms3
int_lrc2	295	224	Minimum Size	-0.3 -0.0 ms3
ls_wt	770	236	Minimum Size	-0.3 -0.0 ms3
main	2919	1680	Minimum Size	-0.3 -0.0 ms3
reset_rx_dix	274	172	Minimum Size	-0.3 -0.0 ms3
reset_tx_dix	315	184	Minimum Size	-0.3 -0.0 ms3
Enc_tags	242	344	Minimum Size	-0.3 -0.0 ms3
bad_reset	506	184	Size	-0.3 -0.0 ms2
int_lrc	516	272	Minimum Size	-0.3 -0.0 ms3

Figure 7

Overrides

	Function	ButtonSetting	Value
✓	Init_Prep_Process	None	None
✓	set_sign	None	None
✓	search_1040	None	None
✓	qd	None	None
✓	col_hx	None	None
✓	col_h	None	None
✓	build_code	None	None
✓	code_1040_35bits	None	None
✓	Coder_122	None	None
✓	VQ_subvec_S	None	None
✓	VQ_subvec	None	None
✓	St_WF	None	None
✓	disk_E	None	None

Override

Fastest

Smallest

None

Maximum Speed

Aggressive Speed

Speed

Size

Minimum Size

Cycles

Size

Options

67480

67864

68280

217240

292348

5048

5056

6364

6316

6492

5048

5056

6364

6316

6492

5048

5056

Figure 8

Estimated		Actual	
Cycles	414834	Cycles:	414834
Size	53024	Size	53068
Unprofiled Cycles	80458	Unprofiled Cycles	80542
Unprofiled Size	36388	Unprofiled Size	36436
Total Cycles	495292	Total Cycles	495366
Total Size	99412	Total Size	99504

Function	Estimated Cycles	Estimated Size	UsedOrSet	Profiled Cycles	Profiled Size	Delta Cycles	Delta Size
search_1040	66380	6442	Spred	66380	6516	0	24
Syn_1lt	32928	744	Maximum Size	32928	744	0	0
Vq_subvec	25520	920	Minimum Size	25520	320	0	0
Lsq_max	2404	708	Maximum Size	22404	708	0	0
Vq_subvec_S	19769	616	Minimum Size	19769	616	0	0
Norm_Cor	16466	1280	Maximum Size	16466	1280	0	0
Encoder_12k2	16030	3520	Minimum Size	16030	3520	0	0

Figure 9